

Rolls R-U etc. - Rolls 1-7

Scenes along road S. of Mandalay during jeep trip to Jaung-gwi XI-9-78.

Euphorbia about 25 mi N. MEIKTILA, girls in THABYEDAUNG, bus and school procession at Meiktila. Then turned toward mtns. Spent

night at KALAW's govt. rest house, photo of it in morning. XI-10 Rice harvest of Shan people

10 mi S. Heho. Shan market in Heho

Lake chle; boats, marsh, village with buffalo under porch. Spent mite at small inn at

chle. Display of gifts and procession at

Schewnyang XI-11. chsects, etc., at Jaung-

gwi XI-12 Festival at night (hot air balloons)

Driver + Lim at Heho airport. XI-13

Air scenes over the chle (floating gardens), etc. enroute to Mandalay.

Wedding that afternoon at chle Lake Hotel.

Rangoon at night esp. its chinatown and Big Pagoda. Next day XI-14 insects on grounds Rangoon

scenes various Pagodas + Big Pagoda by day. Took off for Bangkok at dusk.

Roll 8 began in Rangoon continues with bus trips to Chiangmai XI-16 River is Ping R. and its

wat. Views of Doi Suthep, ends at crest of Doi Pui XI-17-78.

Roll 9 Mer Village on Doi Pui, Dances in Chiangmai at night

Roll V Dances " " Chiangmai

Roll 10 to 28 Dances in Chiangmai and portraits
of various hill tribes. XI-18 Trips to
hill agric. exp. station near SAMAUNG 900M
N.W. of Chiangmai, incl insects + embroid
webs.

Roll 11 More exp. stat. and trips down hill

Roll 12 Begins near BAN PONG YANG HOK, N.W. of
Chiangmai, incl rice threshing and girl portraits
then # 22. Ends during Doi chthanon
trips XI-19.

(continued on p. 6)

- T-1 Crest of Doi Pui (next to Doi Suthep)
 +- 1200 M Small hardwoods and few pines
 still damp, cloudy X1-17-78 1 colony of large
 sp., webs gray + powdery, 3rd instar nymphs,
 on coarse bark of live tree (photographed)
- T-2 Same place. White, clean, short webs under
 small logs + limbs on damp ground and
 matted leaves 1 nymph per web.
 Also includes nymphs from powdery large
 webs in moss of road bank = Eosombia
 with apt. tot. X1-17
- T-3 Same place. Same sp. as T-1 but a
 larger colony on dead log projecting from
 road bank Many 3rd instar. X1-17
- T-4 Doi Pui 1000 M 1-2 spp in bark of
 small trees in shaded, thinned woods
 opposite palace. X1-17
- T-5 Doi Suthep 700 M Eosombia (?) on
 fence post in high-forest clearing below
 big wat. 1 colony of ^{2-3rd} nymphs in naked galleries
 radiating on surface X1-17
- T-6 Hill experiment station near SAMAUNG 900M
 in crevices of hard bark and under lichens of
 trunk of felled tree Bark like Shorea robusta
 X1-18 ALL ABOUT 2-3 INSTAR

T-6 Same place as T-7 but on 3" limb of recently-felled tree tunnels ramify along crevices and beneath lichens. Photographed limb brought to hotel.

T-8 Ban Pong Yang 1 hr 300 m (in hills NW of Chiangmai) in a patch of large tropical trees on damp flat in valley.

A good, small species in lavender, powdery webs in flaky bark of red-barked species of tree. Webs difficult to see, photographed. Must be a new species!

T-9 Water fall = VAJIRATARN at lower elevation on Doi Inthanon. A few small terat cultured from tiny colonies on hard trail bank, green with algae, 1 embird/web. Shaded.

NOTE No embird traces were found on crest of Doi Inthanon. Habitat dense, mossy, cloud forest. No traces lower down but time was short for collecting.

Webs in corky bark low down in foot hills webs completely obscured by powder. No embirds seen.

Nov. 20 Chiangmai Thailand

Roll 13 began in lower Doi Inthanon XI-19
ended with Chiangmai scenes, water, gold teeth of
gold-setter in wat, some insects

Roll 14 More of same, incl. girls in Foremost

bakery = Miss JARVAYPORN AMMRIT-KOMON

Chiang mai Hotel, CHANGCRAN

Chiangmai, Thailand send photo

Also included people and art in "Old Chiangmai
Cultural center. etc.

In afternoon collected on crest of Doi Pui 1200 m

T-10 + T-11 Mined lots from under limes etc on
matted leaves and mossy road banks. The first

is short, clean white gallery containing 1 individual

The others large webs on surface of moss and a
short retreat gallery. Silk powdered = Eosmilia

with bicolorous ♀ and apterous dark male (1 caught)
photo taken on Roll 15.

T-12 Same locality. A few tiny terat (?) under dry
bark flakes of living trees and one large adult ♀
in large powdery purple web on coarse bark

Roll 15 Doi Pui thru red seeds XI-20

Rice Paddies + rest huts Mae Kanai on road

to Mae Hornsong XI-20 also took truck

Roll 16 Teak trucks at Mae Kanai

Teak forest + logs & Karen people at

Mae La Noi to #19 XI-21.

XI-22 Mae Horn Son vic. Pagoda etc., Cave

T-13 MAE LA NOI (enroute to Mae Hornsong)
800 M Teak forest (no embiids on teak bark)
Powdery webs on dead, cut-off saplings + trunks
in bark crevices + flakes. Also under loose bark
3 or 4 Apocrothoria? XI-21

T-14 MAE HORN SON XI-22, 5 KM NE
DRY TEAK forest 1 bl. ♀ (possibly saundersii)
in laterite soil cracks and on underside of
limbs on ground. May be saundersii
some small nymphs. A remote, natural
area.

T-15 MAE HORN SON, 3 KM S XI-22
Damp teak forest in shaded slope, small
powdery webs under wafer-like bark flakes
May or may not be saundersii
Apparently saundersii on trunks of trees
in town

Roll 17 Vicinity of Mae Horn Son XI-22-78
Cave, cars, scenes, insects in cys.

Roll 18 Vicinity of Mae Horn Son XI-22-78
Pagoda + lake in town then pink hen.
Market in MHS XI-23, Rice cutting 3 mi S
hi Forest cys 14 MI. S BAN MUANG PON ✓
Rice fields + hut in this narrow tropical cys
moth on bark bees in crevice etc.

Roll 19 County people + water buffalo
in cyn
St scenes in Ban Mai La Noi
Karen people to ind
Scenes between Ban Muang Pon + ↗

Roll 20 1-8 XI-23 scenes S. of BMP
Kids parade Chiangmai XI-24 thru Spirit houses
23 mi S. Chiangmai. Water lifting for fish
5 " " " " " "
To end at " Zoo.

T-16 14 MI. S. BAN MUANG FON XI-23-78

Narrow cym with high tropical forest & small stream. Few epiphytes on bark. Monkeys in trees water buffalo bathing. Small webs on tree in deep shade, flakey bark, whole colony scraped off. Perhaps a terateriid. Webs without powder.

T-17-18 DO1 BO (LOANG?) 1126 M

Near pine experiment station on road N. of HOT
(Pinus kesiya) Cut over, 2nd growth mtn.
forest. Seemed to be same sp in miniature
as on Doi Phu. Small sp in branch node
of sapling with dead loose bark area. Silk
seemed to be clean. Some pines.

Mixed in is a large number of a large species with powdery webs (similar to Doi Pui species). About $\frac{1}{2}$ grown nymphs + 1 adult ♀ in two colonies on bark of dead ^{+ live} saplings with some loose bark. Beneath large, powdery web are small clean webs actually occupied. Colonies match bark in color. Not chewed feces, apparently.

T-19 23 MI S. CHIENGMAI

9

XI-24-78 Eosimbria (?) naked galleries radiating on surface of saplings in shade. Bark flaking + soft 3rd instar Secondary forest with bamboo

Roll 21 Chiangmai Zoo + botanic garden XI-24
thin bee on cosmos (cow + bull is Bos
bataeng) reticulate python. XI-25 Chiangmai
to Fang by landrover Elephants just S. (14 mi S)
Chiang Dao incl river scenes Roll 22 Elephants
St scenes

22

in Chiang Dao. St scenes in Fang
boys scooping mud at Fang. Forest insects
+ scenes 11 km W. Fang.

Rolls 23 - 28 (up to #30) Early morning in Fang XI-26
St scene in Thatthor, river scenes + children in
Thatthor. Most of rolls except 27-30 on #28,
which are of cock fight near Fang. These ^{Mac}
rolls otherwise cover a boat trip down the ^{Kok}
river with stops at 3 villages, the first includes
inset shots. The second begins with laundry scenes
in creek and ends with ^{YAO} ~~that~~ people in a canoe.
In the second village paper manufacture was covered
The "factory" was operated by a Shan couple (old)
1st village Mura people Name of village Wang Din
Many are christians, sang hymns in hut (sunday)
2nd village = Ban Mai Thai Bo Mark San
people Paper fiber ^{Sa tree} ~~like~~ ^{grows} wild
soak, strip, pound, mixed with water, screened,
dried in frame in sun
3rd village Meo? Old man was Chinese type
Colorful girl in shop LAHA tribe

T-20 a + b 11 km N.W. FANG XI-27-78 (Expt. Stat. }
near Hot Spng. Eocembra colonies common (10)
on tree trunks, saplings, roots etc. in
high tropical forest both virgin + semi-
cleared. Colonies large, silk clear white.
Most in about 3rd instar, a few adult ♀
collected. Some fly puparia in galleries.
Many photos on roll 28 and 29 (early).

T-21 11 km N.W. Chiang Dao (near cave) XI-27-78
Appears to be above sp. small lot cultured
may not be worthwhile. In similar ecology
but colonies scarce.

Roll 28 Ends in Expt Station 11 km N.W. Fang
(incl longhorn beetle)
Roll 29 Begins with funeral carriage of woman in Fang
XI-27. Then forest scenes, insects + flowers

12 Mi N. Chiang Dao XI-27

Roll 30 Cave temple etc 11 km NW Chiang Dao XI-27
cave interiors, dragonflies forest scenes,
ox carts, house + grain storage house
structures. Orchids at Farm Mi. N.
Chiangmai XI-28

Roll 25 Mostly at orchid farm XI-28

Roll 31 Thailand: Mae Sae Waterfall and nearby (11)
Silk farm XI-28

Roll 32 Thailand Silk farm near Mae Sae
Waterfall
Celadon Pottery Kiln

Insects in botanic garden, Chiangmai
Ends in old houses 3 Mi E. Chiangmai

T-22 Mae Sae Waterfall N. of Chiangmai XI-28

Small sp on tree trunk in shade. ^{small} along in flake

Also the common Eucumbria on trunks +
saplings in shade.

Rolls 33, 34, 35, 36 (through #22) All in outskirts
of Chiangmai. Began with Royal Thai village
(out 100 yds) and antique + crafts, ^{honeybees} butterflies + wasps. ^{Chiangmai Dynasty}
old Silk-weaving factory, [Umbrella Village, wasps
and butterfly] Rice harvesting and Celadon
at Donald Gibson's Mengrai Kilns.

Roll 36 22- to end: Doi Pui XI-30

Roll 37 Doi Pui XI-30 Mer Village etc. Cultural
Center Dance in Chiangmai

Roll 648 Begins with above. End in Bangkok XI-3

Wat of Reclining Buddha, china town, st scene, new
wat etc.

T-23 Doi Pui XI-30 Warm road bank, galleries retiate
in surface moss. Also lots from protruding
roots etc. Some may be terat, possible 3 spp

T-24 Doi Pui XI-30 Bark. Sp with powdery web

Roll 32 Thailand: Begins in Bangkok XII-3
Kwai R. at PWD Camp. Kwai R. Bridge +
RR engines. Kwai R. Lodge to end XII-4

Roll 38 Kwai R. Village area XII-4, Nike across
river to cave XII-5

Roll 39 Kwai R. Village XII-5 to end

Roll 40 " " " " " " incl cave

Roll 41 " " " " " thru mantis

Salt works W of Bangkok XII-7

Floating Market + Snake show - DAMNERN SADUAK

Roll 42
Continued ends in Rose Garden XII-7

Roll 43 thru Chinese bldg " " "

Roll 44 Saturday market, Bangkok XII-8

Roll 44 Bukit Timah, Singapore XII-10

Botanic Garden " " St scenes

S-1 Singapore: Bukit Timah XII-10 Bulbembia
in rain forest. On small tree bark. Trees with
waxen flakes (some dead) webs under flakes but
with some foraging galleries on bark surface,
covered with powder and hard to see. Adult
♂♀, eggs, perit males.

Roll 45 Begins Burma? Ends in Singapore XII-12

Roll 46 Begins in Singapore air shots approaching
Djakarta. Road to Bogor, Mrs Benny
Komar in bakery, Bogor botanic garden
insects in TUBODAS BOT RESERVE XII-15
+ vegetation

I-1 Java: Tjibodas Botanical Reserve XII-15
Apothonia (1 ♂ caught) in powdery webs on
and in flaky bark of mountain forest trees
1 embio per web. Very scarce. Wet, cold
season. A few ♀ + nymphs cultured.

"Mountain Gardens Tjibodas"

Sindanglaja Java

Roll 47 Begins in Cibodas XII-16 Java

Road scenes + town nearby

Road scenes enroute to Bogor

Bogor Bot garden to end

Roll 48 Java " " " incl insects

and town scenes thru # 33

Scenes, towns from car inland from Padang. XII-17

Roll 49 Sumatra: Padang to Bukittingi XII-17

Waterfall at base of mtns

Wedding in town above waterfall

Scenes in Bukittingi. Ends in Batang
Palupuh

I-2 Sumatra: Bukittingi New Apothonia

on bark trees in yard at edge of arroyo XII-17

Webs resemble saunderii but more powdery

Adult ♂ + ♀ collected

Roll 50 (note rolls 49-53 may not be in shooting
sequence) through # 15 of roll 54

Began shooting in Batang Palupuh (11 km NW
of Bukittingi) and continued in village just

N up to Rafflesia site. Bark on ground

is cinnamon. Nature shots in forested reserve

for BUNGA (= flower) RAFFLESIA. Portraits

of ~~last~~ wife of man in book photo.

GIRL + Boy on trail + in store = DEDARTI + JOHNI
TOKO DISCO, BLOK B LANTAI I, NO 77
BUKITTINGGI

Returned to B. Palupuh and shot people etc.
Then bussed to Bukittinggi. Photos in museum
and zoo and market

Two girls at counter (one with glasses + beads
other with banded shirt) send photos to
TOKO, ARAI PINANG LANTAI II, BLOK C
NO. 131, PUSAT PERTOKOAN PASAR ATAS
BUKITTINGGI.

Girls on Fort de Kock = LIN, ITA, NEL, + YON
SISWI SMAN NO. II, KLS II IPA
7/12 JENDRAI SUDIRMAN NO. 5
BUKITTINGGI, SUMBAR, SUMATRA

Roll 54 # 15 on: Kota Gadang (town just
SW of Bukittinggi XII-19

Roll 55 ditto

Roll 56 ditto thru # 24 then Berastagi XII-20
thru village at base of volcano = RAJA BERNEH

Roll 57 ^{7,251'} this village and slopes of SIBAYAK
2091 M (Volcano) XII-21 and return to village

Roll 58 to # 20 in this village and its
valley all NW of Berastagi. XII-21

In Berastagi XII-22 to cart

Ends with 1 insect (fly) from Banda Barn

Roll 59 Banda Barn 600 M XII-22-78

Roll 60 " " " - 23

Tea shop visitors, kids, insects on wall

Ends in Sibolangit Botanic Reserve XII-24-78

Culture 1-3 Sumatra: Banda Baru 600 M XII-22-78
Possibly borneensis webs in contact point of bamboo
slats with frame of shelter next to rice
paddy in agric area. No embiids seen
in nearly tropical forest. 1 ♂ in vial

Sumatra notes:

Around Berastagi - damp mountain forest
near steaming volcano. No trace of embiids
prob. due to recent volcanism. 1400 - 2000 M

Around Banda Baru 600 M lush tropical
forests on steep mtns and deep gorges of
forest reserve. No trace of embiids in natural
areas. Only borneensis (not common) in one
spot CI-3.

Also searched in the Sibolangit Botanic Reserve
near the town of Sembakke XII-24-78. An excellent
primary rain forest with miles of level paths.
Not a sign of embiids! Took many photos
on rolls 60 + 61 + 62

Roll 60 may all be at Banda Baru XII-24
Roll 61 ⁷62 + 63 at Sibolangit Reserve XII-24
Roll 64 starts with tree tops " " and death
head moth from Bandar Baru. Air views
Medan - Singapore. Eddie Komar's family to end
Roll 65 Eddie Komar's family. Ends with scenes
in Singapore XII-26-78